

CLAIMS

- 1 (1) A system for supplying backup electricity from a secondary battery to an
2 electrical device, said electrical device provided with a casing, said casing
3 adapted for receiving at least one primary battery, said system comprising:
4 a primary electrical circuit between the electrical device and said primary
5 battery such that the proper loading of said primary battery completes the
6 electric connection between said primary battery and said electric device;
7 a secondary electric circuit between said electrical device and said secondary
8 battery, said secondary electric circuit further containing a switch for opening
9 and closing said secondary electric circuit; and
10 a coupling mechanism between said casing and said switch such that the
11 opening of said casing triggers the closing of said switch and said secondary
12 electric circuit and the closing of said casing results in the opening of said
13 switch and said secondary electric circuit.
- 1 (2) A system according to Claim 1 wherein said casing is provided with a primary
2 battery compartment closable with a lid; said coupling mechanism comprising
3 a triggering element provided on said lid; and said opening of said casing
4 involves opening said lid.
- 1 (3) A system according to Claim 2 wherein said switch further comprises:

2 a first contactor and a second contactor, said first contactor electrically
3 connected to one pole of said secondary battery, said second contactor
4 electrically connected to the opposite pole of said secondary battery; and

5 a connector adapted for electrically coupling said first and second contactor,
6 said connector movable between an open circuit position and a close circuit
7 position, said triggering element engaging said connector in said open circuit
8 position when said lid is in the closed position, said connector further
9 automatically moving into a close circuit position when said casing lid is
10 opened.

1 (4) A system according to Claim 3 wherein said electrical device comprises the
2 electronic of a digital camera.

1 (5) A method for supplying backup electricity from a secondary battery to an
2 electrical device, said electrical device provided with a casing, said casing
3 adapted for receiving at least one primary battery, said method comprising:

4 providing a primary electrical circuit between the electrical device and said
5 primary battery such that the proper loading of said primary battery completes
6 the electric connection between said primary battery and said electric device;

7 providing a secondary electric circuit between said electrical device and said
8 secondary battery, said secondary electric circuit further containing a switch for
9 opening and closing said secondary electric circuit; and

10 coupling said casing and said switch such that the opening of said casing
11 triggers the closing of said switch and said secondary electric circuit and the

12 closing of said casing results in the opening of said switch and said secondary
13 electric circuit.